

Patent Abstracts of Japan

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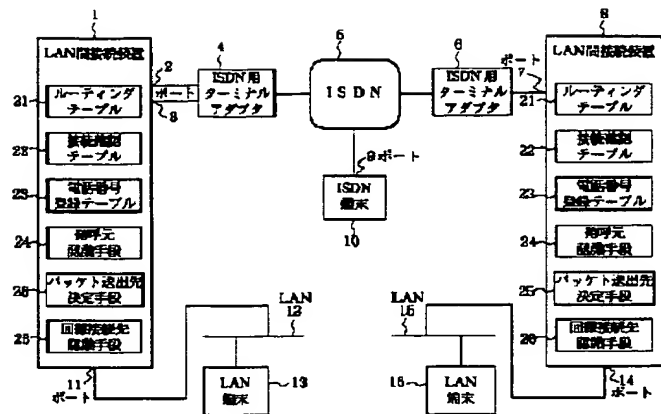
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TITLE : INTER-LAN CONNECTING DEVICE



ABSTRACT : PURPOSE: To shorten the time from calling until communication by recognizing the telephone number of a calling source which arrives from an ISDN and generating a connection confirmation table wherein the telephone number and a connection port number are made to correspond to each other.

CONSTITUTION: When a call to an ISDN 5 is made, an ISDN terminal adapter 4 connected to the inter-LAN connecting device 1 originates to send an incoming call indication to the device 1. At this time, the adapter 4 recognizes the telephone number of the calling source through the caller number information service of the ISDN 5, and adds the telephone number of the calling source as an option to the incoming call indication and sends them out. Then the device 1 extracts the telephone number of the calling source given as the option and registers a telephone number extracting the port having received the incoming call indication in the connection confirmation table. Then when the connection between the device 1 and adapter 4 and the connection of the ISDN line are completed, the transmission of packets becomes ready and data are transferred.

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